

The diagram illustrates an internal combustion engine system. At the center is the **INTERNAL COMBUSTION ENGINE 115**. It features an intake system with a variable valve timing mechanism (111) and an exhaust system with a variable valve timing mechanism (110). The intake system includes a throttle valve (112) and a throttle cable (113). The exhaust system includes a catalytic converter (114) and a muffler (111). The engine is connected to an **ECU 15** (Electronic Control Unit) via a bus system (15). The ECU also controls a solenoid valve (146) and a pump (142). The solenoid valve (146) is connected to a pressure source (14) and a pressure sensor (141). The pump (142) is connected to a pressure source (14) and a pressure sensor (141). The pressure source (14) is connected to the intake system (111) and the exhaust system (110). The pressure sensor (141) is connected to the ECU (15). The engine is also connected to a battery (1112) and a starter motor (1111).

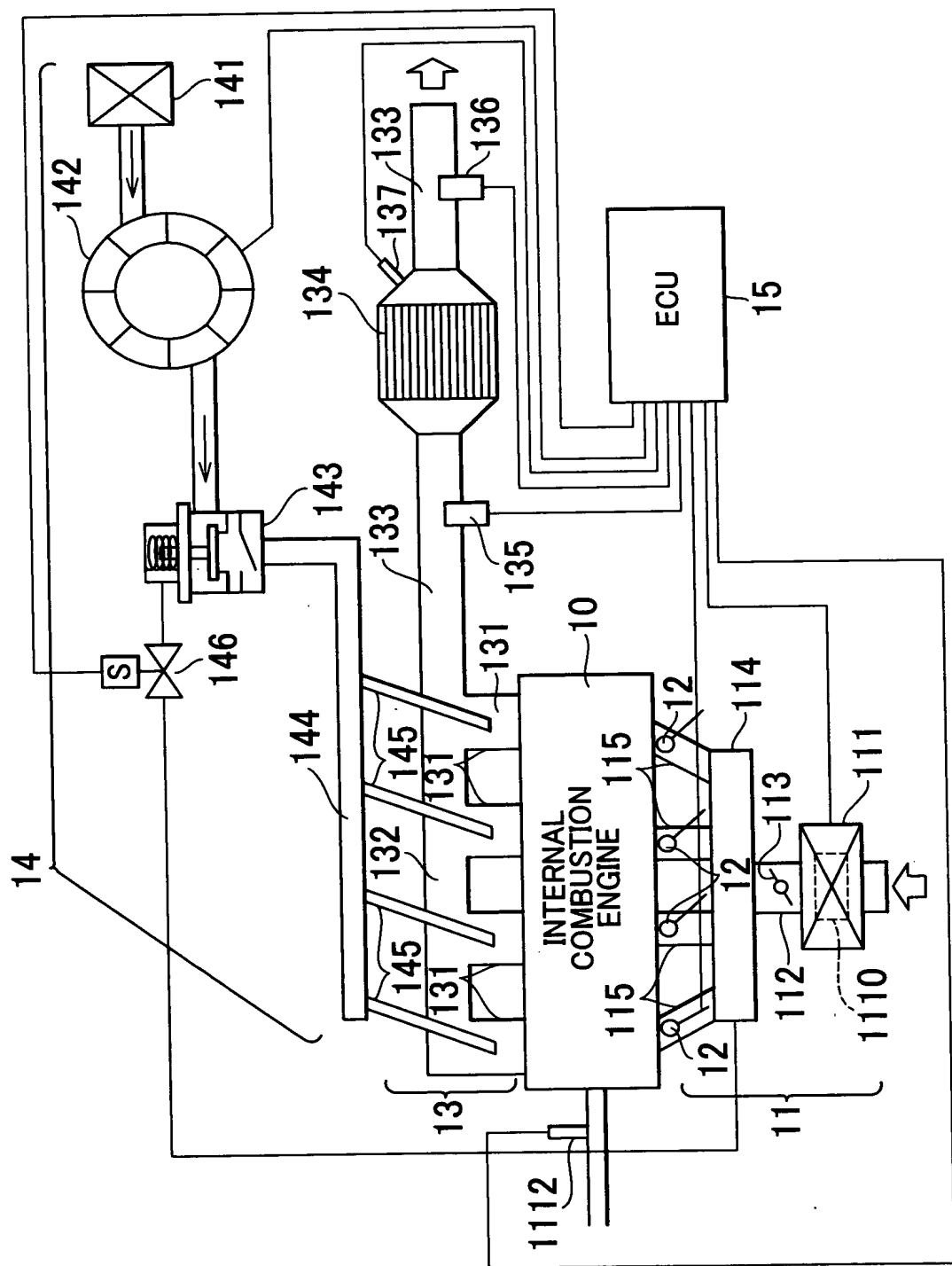


FIG. 2

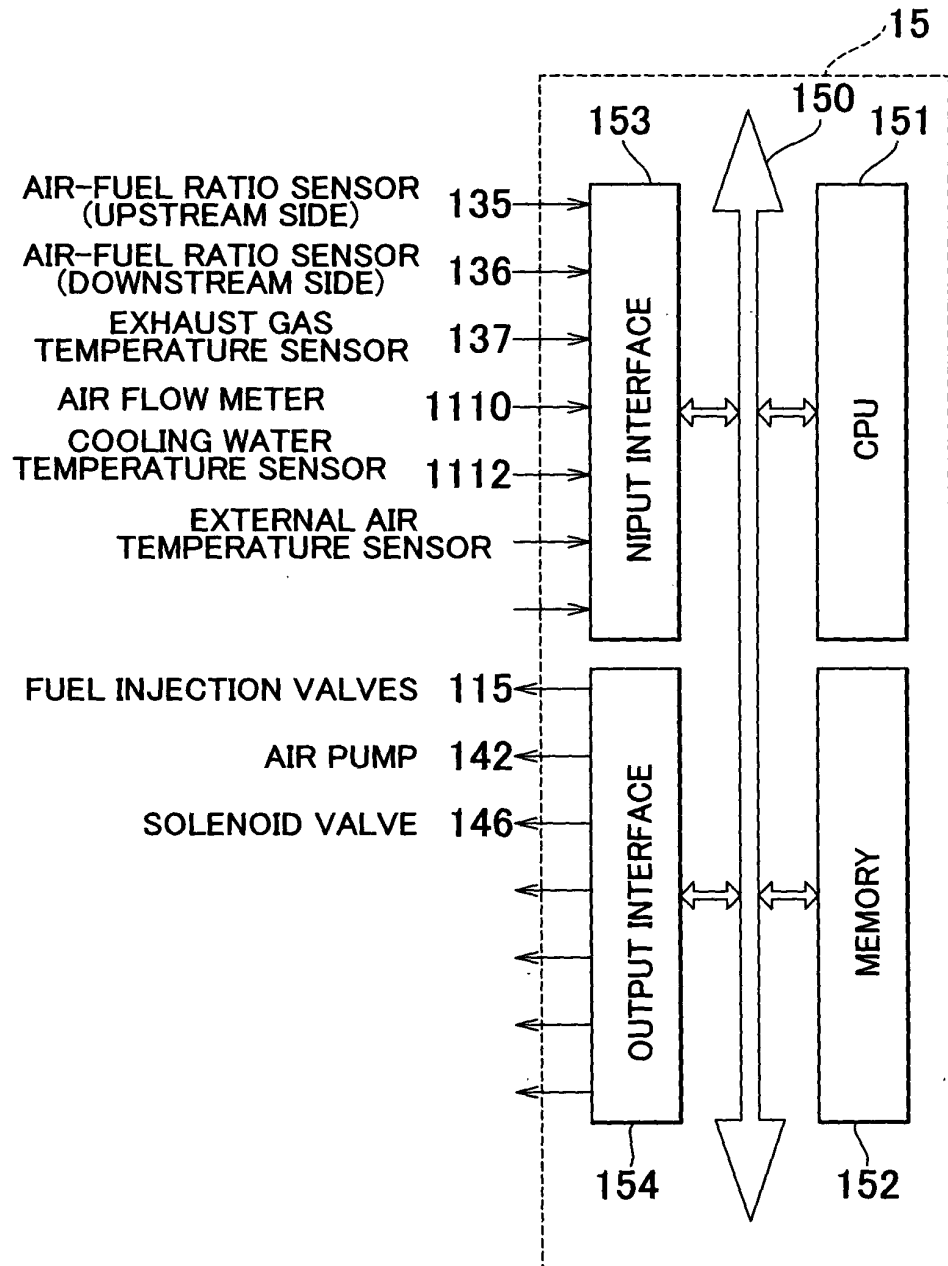


FIG. 3

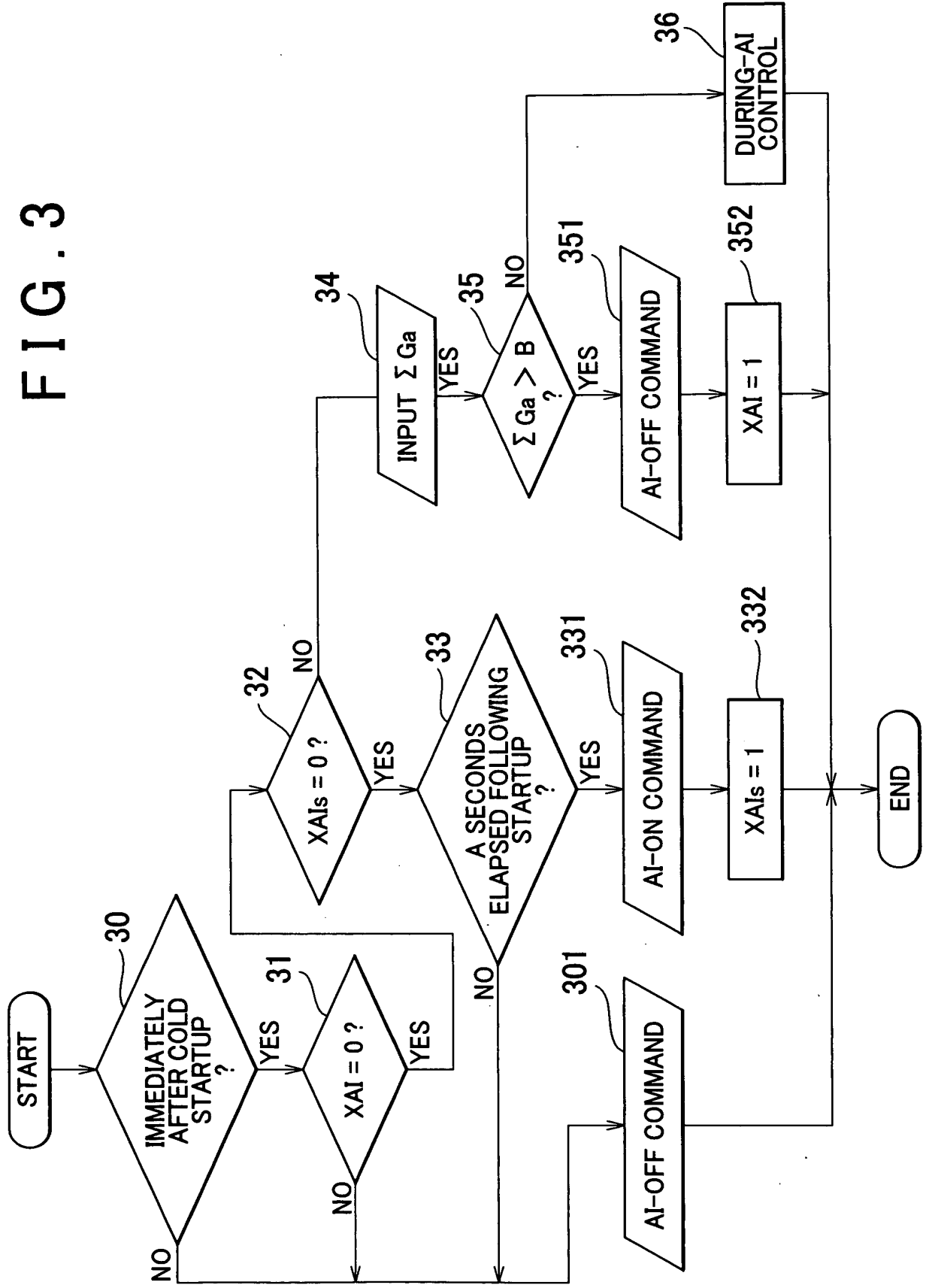


FIG. 4

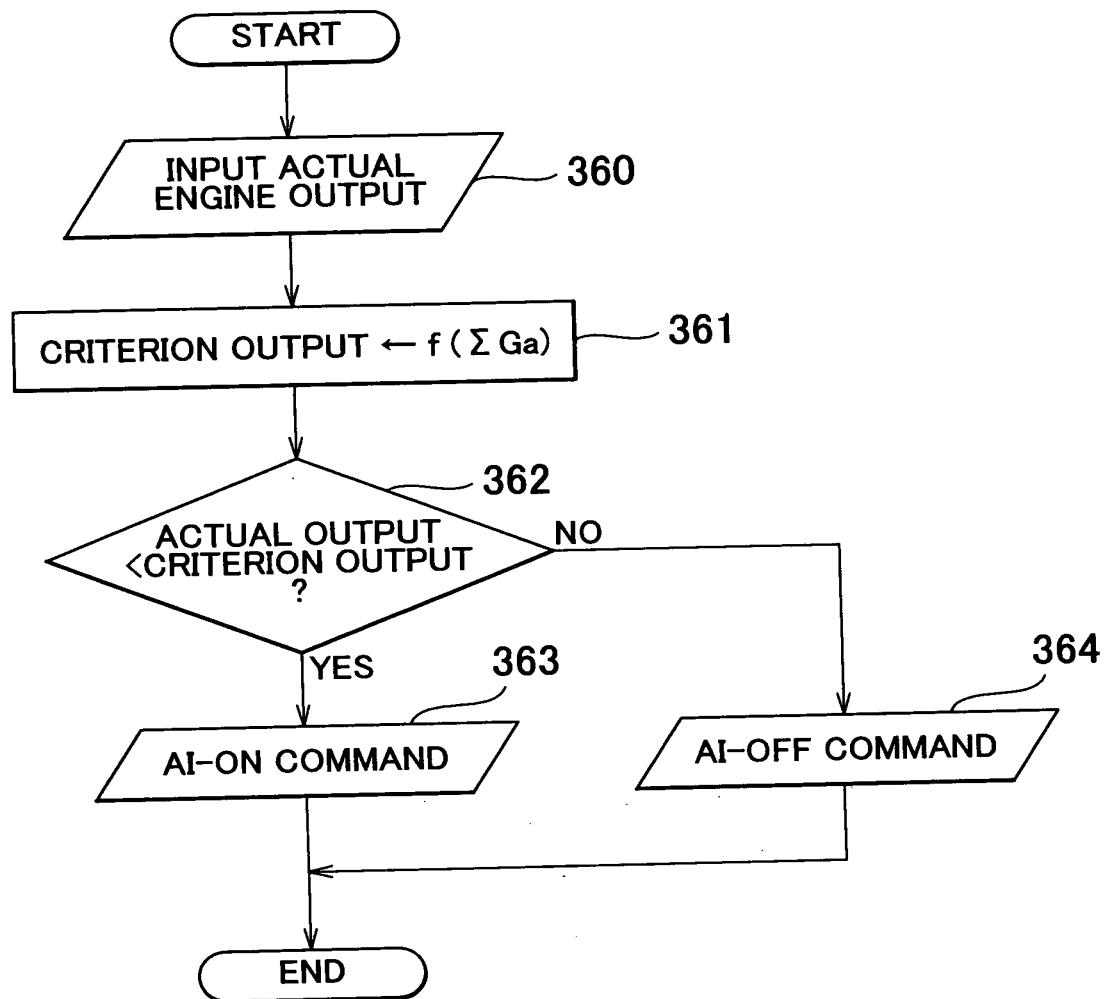


FIG. 5

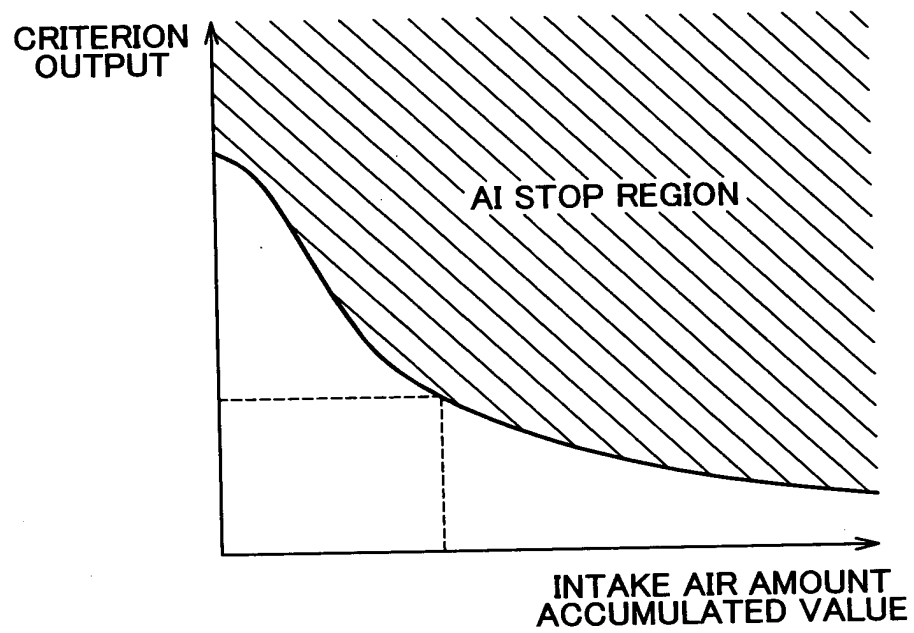


FIG. 6

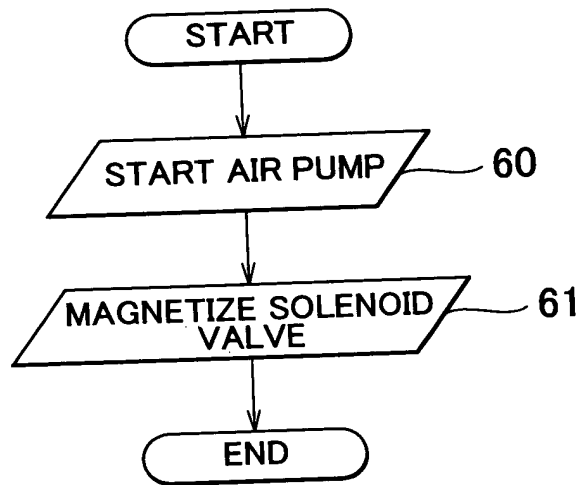


FIG. 7

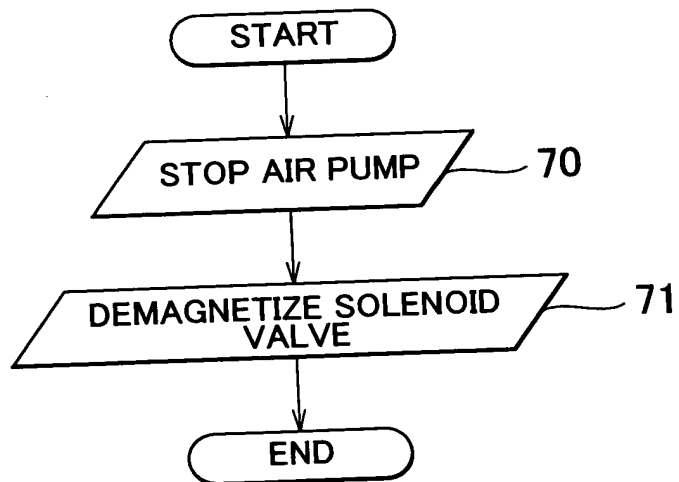


FIG. 8

